

Mathematics/Physics 8-12 Course Requirements

In order to be admitted to the program and pursue certification in Mathematics/Physics 8-12, you must have 35-38 hours of coursework in the designated areas and 12 of these hours must be upper level (junior or senior designation).

Course	Title	Hours
MATH 151 or MATH 171	Engineering Mathematics I Analytic Geometry and Calculus	4
MATH 152 or MATH 172	Engineering Mathematics II Calculus	4
MATH 222 or MATH 304	Linear Algebra Linear Algebra*	3
MATH 467	Modern Geometry	3
MATH 220 or MATH 302	Fundamentals of Discrete Mathematics Discrete Mathematics*	3
MATH 375 MATH 376 MATH 409 MATH 415 MATH 433	Intermediate Real Analysis* Intermediate Abstract Algebra Advanced Calculus I Modern Algebra I Applied Algebra	3
STAT 211 or STAT 303	Principles of Statistics I Statistical Methods	3
PHYS 201 or PHYS 218	College Physics Mechanics	4
PHYS 202 or PHYS 219 and PHYS 221	College Physics Electricity Optics and Thermal Physics	4-7
	Additional hours of upper level Physics	4
	12 hours must be upper level	
Total		35-38

*MATH 152 prerequisite

Course equivalencies will be determined on a case-by-case basis